



PATENT ABSTRACTS OF JAPAN

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KANEKO HARUO****(54) FORCE FEED PIPE DEVICE FOR SUPPLYING
KNEADED MATERIAL****(57) Abstract:**

PROBLEM TO BE SOLVED: To place the kneaded material to the desired lower place without kneading the material again by providing a reducing part to reduce the sectional area of the flow passage of the kneaded material during the force feed on a part of a force feed pipe.

SOLUTION: One end side of a main pipe is located on the ground side outside a vertical shaft 100, and the other side is located at a lower place of the vertical shaft 100. A force feed pump is connected to an end part of a main pipe located on the ground side and a plurality of branch pipes 5 are connected to the end part of the main pipe located in the lower place side through a branch pipe. A reducing part 7 comprising a tapered pipe is provided on a tip part of the branch pipe 5 in an attachable/detachable manner to form a kneaded material force feed pipe device. During the execution, the ready mixed concrete is force fed to the lower place in the vertical shaft 100 by the force feed pump through the main pipe, and placed from the reducing part 7 in a condition where the material need not be kneaded again. The discharge amount of the ready mixed concrete is controlled at the reducing part 7, a gap is difficult to

generate in the main pipe, and the ready mixed concrete can be placed without being kneaded again because the ready mixed concrete is not separated.

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